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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/812,349	03/30/2004	Tomoo Iijima	040158	2684
23850	7590 06/20/2005		EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP 1725 K STREET, NW			LE, THAO X	
SUITE 1000	EI, NW	ART UNIT PAPER		PAPER NUMBER
WASHINGTON, DC 20006			2814	
			DATE MAILED: 06/20/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		10/812,349	IIJIMA ET AL.			
Office Action	Summary	Examiner	Art Unit			
	•	Thao X. Le	2814			
The MAILING DATE Period for Reply	of this communication app	ears on the cover sheet with the c	orrespondence address			
THE MAILING DATE OF T - Extensions of time may be available after SIX (6) MONTHS from the ma - If the period for reply specified abov - If NO period for reply is specified al - Failure to reply within the set or extensions.	HIS COMMUNICATION. e under the provisions of 37 CFR 1.13 iling date of this communication. re is less than thirty (30) days, a reply bove, the maximum statutory period we pended period for reply will, by statute, er than three months after the mailing	'IS SET TO EXPIRE 1 MONTH(6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE date of this communication, even if timely filed	nely filed s will be considered timely. the mailing date of this communication. C) (35 U.S.C. § 133).			
Status						
1) Responsive to comm	nunication(s) filed on <u>30 Ma</u>	arch 2004.				
2a) This action is FINAL	. 2b)☐ This	action is non-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-51 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-51 are subject to restriction and/or election requirement. 						
Application Papers						
9) ☐ The specification is o	bjected to by the Examiner	r. ·				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 11	9					
a) All b) Some * 1. Certified copie 2. Certified copie 3. Copies of the application from	c) None of: s of the priority documents s of the priority documents certified copies of the prior m the International Bureau	s have been received in Applicat ity documents have been receive	ion No ed in this National Stage			
Attachment(s)						
 Notice of References Cited (PT) Notice of Draftsperson's Patent 		4) Interview Summary (PTO-413) Paper No(s)/Mail Date				
	nt(s) (PTO-1449 or PTO/SB/08)		Patent Application (PTO-152)			

Application/Control Number: 10/812,349 Page 2

Art Unit: 2814

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-7, drawn to a semiconductor device, classified in class 257, subclass 734+.
- II. Claims 8-51, drawn to a method of making a semiconductor device, classified in class 438, subclass 411, 461, 611.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions Group I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process. The insulting film can be formed by depositing on a carrying substrate and laminated onto the substrate with the bump.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. This application contains claims directed to the following patentably distinct species of the claimed invention:
 - a. Claims 1-5

Page 3

Art Unit: 2814

b. Claims 6-7

- c. Claims 8-11
- d. Claims 12-13.
- e. Claims 28
- f. Claims 14, 31-37, and 43-51
- g. Claims 15-27, 29-30, and 38-42.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there is no generic claim.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the

Page 4

Art Unit: 2814

case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thao X. Le whose telephone number is (571) 272-1708. The examiner can normally be reached on M-F from 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael M. Fahmy can be reached on (571) 272 -1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/812,349

Art Unit: 2814

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thao X. Le

Patent Examiner

14 June 2005